

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L2    | 30     | diagnos\$4 with (fault or error) with repository                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:23 |
| L3    | 3      | diagnos\$4 with (fault or error) with repository with description               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 14:52 |
| L4    | 3078   | 714/25,27,47.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:23 |
| L5    | 930775 | @pd>="20060502"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:23 |
| L6    | 183    | I4 and I5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:23 |
| L7    | 28     | I6 and (diagnos\$4 with (fault or error))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:24 |
| L8    | 10     | I7 and (graph or tree)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:24 |
| L10   | 17     | I6 and repository   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:35 |
| L11   | 1      | (diagnosing and repository and "directed graph").clm.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:36 |
| L13   | 1      | (diagnosing and fault and description and repository and "directed graph").clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/25 15:36 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| L14 | 1     | ("diagnosis session" and state and graph and node and fault).<br>clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/25 15:37 |
| S1  | 3041  | (directed adj graph)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 10:49 |
| S2  | 1594  | (subgraph or (sub adj graph))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 14:44 |
| S3  | 53631 | "714"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 14:44 |
| S4  | 22    | S1 and S2 and S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:04 |
| S5  | 3     | S4 and diagnos\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 14:45 |
| S6  | 2     | S5 and fault  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 14:46 |
| S7  | 3     | S5 and (fault or error)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 14:46 |
| S9  | 199   | 714/27.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:56 |
| S10 | 15    | S9 and graph  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:11 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S11 | 3041 | (directed adj graph)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:12 |
| S12 | 204  | S11 and diagnos\$3 and (fault or error) and solution | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:12 |
| S13 | 55   | S12 and repository                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:14 |
| S14 | 405  | (late adj binding)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:15 |
| S15 | 18   | S13 and S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:15 |
| S16 | 1594 | (subgraph or (sub adj graph))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:24 |
| S18 | 393  | digraph  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 16:24 |
| S20 | 1594 | (subgraph or (sub adj graph))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:54 |
| S21 | 406  | (late adj binding)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:54 |
| S22 | 3335 | (directed adj graph) or digraph                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:55 |

## EAST Search History

|     |        |                             |   |    |    |                  |
|-----|--------|-----------------------------|---|----|----|------------------|
| S23 | 307    | S22 and S20                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:55 |
| S24 | 1      | S21 and S23                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:55 |
| S25 | 199    | 714/27.ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:56 |
| S26 | 1745   | 714/25.ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:56 |
| S27 | 420901 | diagnos\$3                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:58 |
| S28 | 33124  | repository                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 10:58 |
| S29 | 7      | S28 and S27 and S25         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:13 |
| S30 | 30     | S28 and S27 and S26         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:30 |
| S31 | 184    | java and (late adj binding) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:41 |
| S32 | 45     | S31 and diagnos\$3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:41 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S33 | 502    | java and S22   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:41 |
| S34 | 85     | S33 and diagnos\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 11:41 |
| S35 | 59     | S34 and solution   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:17 |
| S36 | 1417   | (decision adj tree) and diagnos\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:17 |
| S37 | 767    | S36 and solution   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:17 |
| S38 | 18     | S37 and (S25 or S26)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:38 |
| S40 | 109646 | (ibm or (international adj business adj machine)).as.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:39 |
| S41 | 329    | S22 and S40  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:39 |
| S42 | 19     | S41 and S27  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 12:39 |
| S43 | 15     | ("5261086"   "5394556"   "5412802"   "5428619"   "5551037"   "5598511"   "5636344"   "5673385"   "5680541").PN. OR ("5996090").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/27 12:46 |
| S44 | 6      | (US-20050278571-\$ or US-20030177412-\$ or US-20030177414-\$).did. or (US-6357017-\$ or US-5996090-\$ or US-6550055-\$).did.         | US-PGPUB;<br>USPAT  | OR | ON | 2006/04/27 14:40 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S45 | 4    | S44 and java   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 15:33 |
| S46 | 9983 | (directed adj graph) or digraph or (directed adj acyclic adj graph) or ((diagnosis or diagnostic or decision) adj tree)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 15:35 |
| S47 | 1919 | 714/25,27.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 15:37 |
| S48 | 38   | S46 and S47  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 15:37 |
| S49 | 24   | S48 and solution   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 15:42 |
| S50 | 4    | S49 and java   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 17:39 |
| S51 | 15   | ("5261086"   "5394556"   "5412802"   "5428619"   "5551037"   "5598511"   "5636344"   "5673385"   "5680541").PN. OR ("5996090").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/27 16:20 |
| S52 | 101  | ("3693155"   "4344134"   "4360870"   "4443866"   "4660169"   "4740954"   "4763329"   "4809362"   "4845744"   "4860201"   "5018139"   "5179670").PN. OR ("5394556").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/27 16:20 |
| S53 | 23   | ("4315309"   "5107497"   "5265065"   "5272704"   "5319775"   "5500941"   "5539869"   "5752242"   "5778357"   "5802515"   "5835770"   "5931877"   "5974412"   "5983218"   "5996090"   "6023583"   "6141699"   "6145098"   "6154766"   "6202070"   "6236996"   "6249755"   "6456622").PN. OR ("6550055").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/27 17:17 |
| S54 | 11   | ("5107500"   "5918004"   "5944839"   "5983364"   "6145096"   "6260048"   "6298457").PN. OR ("6357017").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/27 17:22 |
| S59 | 2    | "20040236843"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 17:47 |

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|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S60 | 0       | "10346371"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/27 17:47 |
| S62 | 9983    | (directed adj graph) or digraph or (directed adj acyclic adj graph) or ((diagnosis or diagnostic or decision) adj tree) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:29 |
| S63 | 5899    | symptoms with (fault or error or problem)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 10:50 |
| S64 | 155     | S62 and S63   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 10:51 |
| S65 | 5806626 | solution or remedy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 10:51 |
| S66 | 120     | S64 and S65   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 10:51 |
| S67 | 4541    | (directed adj graph) or digraph or (directed adj acyclic adj graph)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:59 |
| S68 | 1333    | index adj map\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:30 |
| S69 | 28      | S67 and S68   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:30 |
| S70 | 1594    | (subgraph or (sub adj graph))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:36 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S71 | 422   | S67 and S70  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:37 |
| S72 | 31    | S71 and (solution or remedy) and (diagnos\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 11:38 |
| S73 | 2     | ("2003/0110413").URPN.   | USPAT   | OR | ON | 2006/04/28 11:54 |
| S74 | 0     | ("2002/0174380").URPN.   | USPAT   | OR | ON | 2006/04/28 11:56 |
| S75 | 506   | ((directed adj graph) or digraph or (directed adj acyclic adj graph)) and repository   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 12:00 |
| S76 | 1     | S75 and (remote\$2 near diagnos\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 12:01 |
| S77 | 70    | S75 and diagnos\$4 and solution  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 12:02 |
| S78 | 0     | ("2003/0177412").URPN.   | USPAT   | OR | ON | 2006/04/28 12:02 |
| S79 | 11    | ("5107500"   "5918004"   "5944839"   "5983364"   "6145096"   "6260048"   "6298457").PN. OR ("6357017").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/28 13:34 |
| S80 | 27    | ("5107497"   "5159685"   "5216612"   "5272704"   "5446885"   "5539869"   "5905989"   "5931877"   "5961561"   "5974349"   "6067486"   "6125312").PN. OR ("6260048").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/28 14:15 |
| S81 | 5311  | "27" and S62   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/28 14:15 |
| S82 | 5     | S62 and "I27"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/28 14:16 |
| S83 | 4     | S62 and S80  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/28 15:25 |
| S85 | 199   | 714/27.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/01 16:10 |
| S86 | 53018 | diagnos\$4 and symptom   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/01 16:11 |



## EAST Search History

|     |        |                                 |   |    |    |                  |
|-----|--------|---------------------------------|---|----|----|------------------|
| S87 | 964    | (symptom with (fault or error)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/01 16:11 |
| S88 | 6      | S85 and S87                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/01 16:12 |
| S89 | 1035   | bayesian adj network            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:19 |
| S90 | 200    | 714/27.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:45 |
| S91 | 2      | S90 and S89                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:43 |
| S92 | 53705  | "714"/\$.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:45 |
| S93 | 125602 | symptom                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:45 |
| S94 | 38     | S89 and S92                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:59 |
| S95 | 10     | S93 and S94                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:45 |
| S96 | 0      | ("2005/0160324").URPN.          | USPAT   | OR | ON | 2006/05/02 12:03 |
| S97 | 1104   | (bayesian or bayes) adj network | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:35 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S99      | 328  | S97 and (fault or error) and (repository or remote)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:20 |
| S10<br>0 | 60   | S99 and S93   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:28 |
| S10<br>1 | 4    | ("2002/0138184").URPN.  | USPAT   | OR | ON | 2006/05/02 12:23 |
| S10<br>2 | 383  | S97 and diagnos\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:29 |
| S10<br>3 | 156  | S102 and S99  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:02 |
| S10<br>4 | 5564 | (decision adj tree)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:03 |
| S10<br>5 | 166  | S92 and S104  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:02 |
| S10<br>6 | 70   | S105 and diagnos\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:03 |
| S10<br>7 | 37   | S106 and (repository or remote)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:03 |
| S10<br>8 | 0    | ("2003/0177414").URPN.  | USPAT   | OR | ON | 2006/05/02 13:14 |
| S10<br>9 | 0    | ("2003/0177413").URPN.  | USPAT   | OR | ON | 2006/05/02 13:17 |
| S11<br>0 | 296  | S104 and symptom and (diagnos\$4) and (repair or solution or fix) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:23 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S11<br>1 | 217  | S110 and (modif\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:46 |
| S11<br>2 | 67   | ("5253184"   "5311422"   "5317725"   "5333314").PN. OR ("5666481").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/05/02 14:26 |
| S11<br>3 | 11   | ("4499596"   "4853851"   "4912656"   "5323452"   "5509006"   "5574910"   "5666481"   "5787163"   "6018524"   "6192051").PN. OR ("6549521").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/05/02 14:27 |
| S11<br>4 | 82   | (diagnos\$4 adj tree)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:35 |
| S11<br>5 | 112  | ("4656603"   "4710763"   "4813013"   "4893256"   "4902469"   "4931950"   "4945476"   "4954964"   "4954969"   "5021976"   "5025395"   "5257185"   "5267865"   "5295230"   "5297150"   "5317732"   "5420977").PN. OR ("5539869").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/05/02 14:44 |
| S11<br>6 | 23   | ("4315309"   "5107497"   "5265065"   "5272704"   "5319775"   "5500941"   "5539869"   "5752242"   "5778357"   "5802515"   "5835770"   "5931877"   "5974412"   "5983218"   "5996090"   "6023583"   "6141699"   "6145098"   "6154766"   "6202070"   "6236996"   "6249755"   "6456622").PN. OR ("6550055").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/05/02 14:52 |
| S11<br>7 | 3341 | (digraph or (directed adj graph))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:04 |
| S11<br>8 | 1133 | S117 and index   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:04 |
| S11<br>9 | 34   | S118 and solution and symptom  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:04 |
| S12<br>0 | 29   | S119 and diagnos\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:04 |
| S12<br>1 | 0    | ("2005/0234973").URPN.   | USPAT   | OR | ON | 2006/05/02 15:06 |
| S12<br>2 | 0    | ("2005/0060323").URPN.   | USPAT   | OR | ON | 2006/05/02 15:22 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S12<br>3 | 130  | (case adj based adj reasoning) and symptom and (diagnos\$4<br>and (repair or solution or fix)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:24 |
| S12<br>4 | 9    | (US-20030177414-\$ or US-20020174380-\$ or<br>US-20030177412-\$ or US-20050278571-\$ or<br>US-20050028033-\$).did. or (US-6357017-\$ or US-5996090-\$<br>or US-6550055-\$ or US-5666481-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2006/05/03 09:55 |
| S12<br>5 | 3    | S124 and prevent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:56 |
| S12<br>6 | 200  | 714/27.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:56 |
| S12<br>7 | 277  | (charg\$3 with resource with amount)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:57 |
| S12<br>9 | 36   | S127 and diagnos\$5 and (remote or repository)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 10:01 |
| S13<br>0 | 35   | diagnos\$5 with prevent with future  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:00 |
| S13<br>1 | 1054 | 714/47.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:00 |
| S13<br>2 | 294  | S131 and diagnos\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:01 |
| S13<br>3 | 140  | S132 and prevent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:01 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S13<br>4 | 159 | S132 and prevent\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:01 |
| S13<br>5 | 61  | S132 and (prevent\$3 with (fault or error))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:02 |
| S13<br>6 | 4   | S132 and (prevent\$3 with (fault or error) with diagnos\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 11:02 |